

**The formation of G-band bright points  
I: Standard LTE modelling**

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Assuming LTE, we investigate the formation of the G band in models of quiet solar photosphere and a semiempirical flux-tube model (Briand & Solanki 1995). Preliminary results agree with observations of G-band bright-point contrast, though this a sensitive function of the amount of scattered light in the observations. Thus LTE line modelling in models constructed under the LTE assumptions seems to fit observations. This does not, however, necessarily imply that LTE is valid here.

We also present LTE synthetic spectra of the same models for the full wavelength range from UV to IR. This serves to point out other promising pass bands for the observations of flux-tube structures.